Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known Application Number 10/551,905 INFORMATION DISCLOSURE Filing Date October 5, 2005 STATEMENT BY APPLICANT First Named Inventor Oliver SCHADT Group Art Unit 1624 (use as many sheets as necessary) Examiner Name Noble E. Jarrell Sheet Attorney Docket Number **MERCK-3075**

| | U.S. PATENT DOCUMENTS | | | | | | | | |
|------------------------|-----------------------|--------------------|---|--|---|--|--|--|--|
| Examiner Initials * | Cite No.1 | U.S. Patent Docume | nt Kind Code ² (<i>if known</i>) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | | | | |
| | A1 | 2007/0093492 | | Jiaang et al. | 04-2007 | | | | |
| | A2 | 2006/0276650 | | Schadt et al. | 12-2006 | | | | |
| | АЗ | 2007/0105871 | | Schiemann et al. | 05-2007 | | | | |
| | A4 | 2001/0044445 | | Bamaung et al. | 11-2001 | | | | |
| | A5 | 7,067,507 | | Pulley et al. | 06-2006 | | | | |
| | A6 | 4,631,343 | | Beck, James R. | 12-1986 | | | | |
| | A7 | 2004/0034083 | | Stephenson et al. | 2-19-2004 | | | | |
| | A8 | 2002/0091116 | | Zhu et al. | 07-2002 | | | | |
| | A9 | 2007/0010531 | | Schadt et al. | 01-2007 | | | | |
| | A10 | 6,150,393 | Α | Behan et al. | 11-21-2000 | | | | |
| | A11 | 6,043,261 | Α | Hansen Jr. et al. | 03-28-2000 | | | | |
| | A12 | 4,146,721 | Α | BYK GULDEN LOMBERG | 03-27-1979 | | | | |
| | A13 | 3,926,999 | | Poetsch | 12-16-1975 | | | | |
| | A14 | 4,258,047 | | Gante et al. | 03-24-1981 | | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | | | |
|-----------------------|--------------------------|--|------------|--|--|--|--|-----|--|--|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Kind Code ⁵ Offlice ³ Number ⁴ (<i>ff known</i>) | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T⁵ | | | |
| | B1 | WO | 0132626 | | Gaster Laramie Mary | 05-10-2001 | | A12 | | | |
| | B2 | WO | 01032627 | | Baron et al. | 10-2001 | | A14 | | | |
| | В3 | WO | 03088958 | | Maziasz Timothy J | 10-30-2003 | | | | | |
| | B4 | wo | 9831227 | | Schiemann et al. | 07-1998 | | | | | |
| | B5 | WO | 2003031435 | | Schiemann et al. | 04-17-2003 | | | | | |

| - | | | |
|-----------------------|------------------------------|--------------------|--|
| Examiner Signature | /Noble Jarrell/ (03/06/2009) | Date Considered | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substitute | for form 1449A/PTC |) | | | Complete if Known |
|------------|--------------------|--------|------------|------------------------|-------------------|
| | | | | Application Number | 10/551,905 |
| INFO | RMATION | DIS | CLOSURE | Filing Date | October 5, 2005 |
| STAT | TEMENT B | Υ ΑΙ | PPLICANT | First Named Inventor | Oliver Schadt |
| | | | | Group Art Unit | 1624 |
| | (use as many she | ets as | necessary) | Examiner Name | Noble E. Jarrell |
| Sheet | 2 | of | 4 | Attorney Docket Number | MERCK-3075 |

| | U.S. PATENT DOCUMENTS | | | | | | | | |
|------------------------|-----------------------|--|--|--|---|--|--|--|--|
| Examiner Initials * | Cite No.1 | U.S. Patent Document Kind Code ² Number (if known) | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | | | | |
| | A15 | 2006/0264419 | | Schiemann et al. | 11-2006 | | | | |
| | A16 | 2005/023979 | | Gaster et al. | 10-2005 | | | | |
| | A17 | 6,100,259 | | Xiang et al. | 08-2000 | | | | |
| | A18 | 6,407,238 | | Baron et al. | 06-2002 | | | | |
| | | | | | | | | | |

| | | | Foreign Patent Docum | | N PATENT DOCUMENTS | | Pages, Columns, Lines, | 1 |
|-----------------------|-----------|---------------------|----------------------|---|--|--|------------------------|-----|
| Examiner Initials* | Cite No.1 | Office ³ | Number ⁴ | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Where Relevant | T⁵ |
| | B6 | WO | 01/29008 | Α | ARENA PHARMACEUTICALS INC. | 04-26-2001 | | A11 |
| | B7 | WO | 96/33175 | Α | SEARLE & CO | 10-24-1996 | | A12 |
| | B8 | DE | 2141125 | Α | BYK-GULDEN LOMBERG GMBH | 02-24-1972 | | |
| | В9 | wo | 03/099793 | Α | TAKEDA LTD | 12-04-2003 | | |
| | B10 | WO | 2004/024705 | Α | TAKEDA LTD. | 03-25-2004 | | |
| | B11 | wo | 2004/037248 | А | CAREX SA | 05-06-2004 | | |
| | B12 | DE | 2201889 | | Merck Patent GmbH | 07-19-1973 | | A13 |
| | B13 | DE | 2258033 | | Merck Patent GmbH | 05-30-1974 | | |
| | B14 | DE | 2906252 | | Merck Patent GmbH | 08-28-1980 | | A14 |
| | B15 | WO | 96/33175 | Α | SEARLE & CO. | 10-24-1996 | | A2 |
| | B16 | WO | 03031435 | | Schiemann et al. | 04-2003 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| - | | | |
|-----------------------|------------------------------|--------------------|--|
| Examiner Signature | /Noble Jarrell/ (03/06/2009) | Date Considered | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

urden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents, ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.

4

Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| Substitute f | or form 1449A/PTC |) | | (| Complete if Known |
|--------------|-------------------|--------|------------|------------------------|-------------------|
| INITOI | | DIC | OL OCUPE | Application Number | 10/551,905 |
| _ | = | _ | CLOSURE | Filing Date | October 5, 2005 |
| SIAI | EWENI B | Y AI | PPLICANT | First Named Inventor | Oliver SCHADT |
| | | | | Group Art Unit | 1624 |
| (| use as many she | ets as | necessary) | Examiner Name | Noble E. Jarrett |
| Sheet | 3 | of | 4 | Attorney Docket Number | MERCK-3075 |

| | | NON PATENT LITERATURE DOCUMENTS | |
|------------------------|-----------|---|----------------|
| Examiner Initials * | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C1 | DATABASE BEILSTEIN 'ONLINE! BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, JUNE 27, 1988, XP002283830. | |
| | C2 | Vippagunta et al. Advanced Drug Delivery Reviews, 2001, 48, 3-26. | |
| | СЗ | "Premenstrual syndrome-Womens health and Medical Information in Medicinenet.com", http://www.medicinenet.com/premenstrual_syndrome/page5.htm, accessed September 19, 2007. | |
| | C4 | "Amyotrophic Lateral sclerosis information page: National Institute of Neurological Disorders and Stroke (NINDS)", http://www.ninds.gov/disorders/amyotrophiclateralsclerosis/amyotrophiclateralsclerosis.htm, accessed September 19, 2007. | |
| | C5 | "Obsessive-compulsive behaviors and disorders: symptoms, treatment, and support", http://www.helpguide.org/mental/obsessive_compulsive_disorder_ocd.htm, accessed September 19, 2007. | |
| | C6 | Journal of Clinical Psychiatry, 1999, 60, 1-8. | |
| | C7 | Crow, S. Expert Opinion on Investigational Drugs, 1997, 6(4), 427-36. | |
| | C8 | Ross et al., Expert Opinion on Therapeutic Patents, 2003, 13(10), 1491-99. | |
| | C9 | TAKEHITO OCHI ET AL.: "FR143166 ATTENUATES SPINAL PAIN TRANSMISSION THROUGH ACTIVATION OF THE SEROTONIG SYSTEM" EUROPEAN JOURNAL OF PHARMACOLOGY, Bd. 452, 2002, Pages 319-324, XP002284473, The Entire Document. | |
| | C10 | YOSHIKO SUZUKI ET AL: "IN VITRO AND IN VIVO PHARMACOLOGICAL PROFILE OF 4-(4-FLUOROBENZYLIDENE)-1-{2-'5-(4-FLUOROP HENYL)-1H-PYRAZOL-4-YL!ETHYL} PIPERIDINE (NRA0161)" LIFE SCIENCES, Bd. 71, 2002, pages 2603-2615, XP002284474, The Entire Document. | |
| | C11 | KATRITZKY ET AL: "1,3-DIPOLAR CYCLOADDITIONS OF ELECTRON-RICH BENZOTRIAZOL-1-YLPROPENES" J. HETEROCYCLIC CHEM., Bd. 33, 1996, Pages 1637-1646, XP002284475, Figure 28, Pages. 1640. | |
| | C12 | PEREZ ET AL: "AN EASY METHOD FOR THE N-ALKYLATION OF AMIDES, CARBAMATES, UREAS AND AZOLES" HETEROCYCLES, Bd. 60, Nr. 1, 25 November 2002, Pages 167-175, XP002284476, Figures 10,11 and 12, Pages 168 and 173. | |

|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.J./ (03/06/2009)

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| Substitute f | or form 1449A/PTC |) | | | Complete if Known |
|--------------|-------------------|--------|------------|------------------------|-------------------|
| INITO | | DIC | CL OCUBE | Application Number | 10/551,905 |
| | - | | CLOSURE | Filing Date | October 5, 2005 |
| SIAI | EMENI B | Y AI | PPLICANT | First Named Inventor | Oliver SCHADT |
| | | | | Group Art Unit | 1624 |
| (| use as many she | ets as | necessary) | Examiner Name | Noble E. Jarrett |
| Sheet | 4 | of | 4 | Attorney Docket Number | MERCK-3075 |

| | | NON PATENT LITERATURE DOCUMENTS | |
|---|-----------|--|---|
| Examiner Initials * | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| 00,000000000000000000000000000000000000 | C13 | O'BRIAN ET AL: "SOME REACTIONS OF 3-HYDROXY-1-PHENYLPYRAZOLE" J. ORG. CHEM., | 000000000000000000000000000000000000000 |
| | | Bd.31, 1966, Pages 1336-1342, XP002264477, The Emilie Document. | |
| | C14 | DATABASE CHEMABS 'ONLINE! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1960, GRANDBERG, I.I. ET AL: "PYRAZOLES. XII. HYDROXY-AND CHLOROMETHYLATION OF 1-SUBSTITUTED PYRAZOLES" XP002284480, FOUND IN STN, DATABASE ACCESSION NO. 1961:99421, SUMMARY & ZHURNAL OBSHCHEI KHIMII, 30, 3324-8; CODEN: ZOKHA4; ISSN: 0044-460X, 1960. | |
| | C15 | DATABASE BEILSTEIN; BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 29 NOVEMBER 1988; XP002284481, DATABASE ACCESSION NO. BRN 1127514 CAS-RN; 35000-58-9/ SUMMARY & DORN ET AL: J. PRAKT. CHEM., Bd. 313, 1971, Pages 236-246. | |
| | C16 | BEBERNITZ ET AL.: "THE EFFECT OF 1,3-DIARYL-'1H!-PYRAZOL-4-ACETAMIDES ON GLUCOSE UTILIZATION IN OB/OB MICE" J. MED. CHEM., Bd. 44, Nr. 16, 2001, PAGES 2601-2611, XP002284478; SCHEMA 1, METHODE A, STRUKTUREN 2-5, REAKTIONEN A AND B. | |
| | C17 | ECHEVARRIA ET AL: RESEARCH IN THE AZOLE SERIES. 102 '1!. SYNTHESIS AND 13C NMR STUDY OF PYRAZOLE-4-CARBOXALDEHYDES: J. HETEROCYCLIC CHEM., Bd. 30, 1993, PAGES 957-960, XP002284479, FORMULA 19, PAGE 957. | |
| | C18 | DATABASE BEILSTEIN, BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 24 JANUARY 2002, XP002284482, DATABASE ACCESSION NO. BRN 8913586 & BRATENKO ET AL: RUSS. J. ORG. CHEM. EN, Bd. 37, Nr. 4, 2001, PAGES 552-555. | |
| | C19 | Caramella, et al., Heterocycles, Vol. 40, No. 2, 1995, pgs 515-520. | |
| | C20 | Non Final Rejection dated May 7, 2007 - U.S. application no. 10/552,064 filed October 5, 2005 (Publication No. US-2007-0010531-A1). | |
| | | Non Final Rejection dated September 29, 2007 - U.S. application no. 10/552,064 filed October 5, 2005 (Publication No. US-2007-0010531-A1). | |
| | C21 | Final Rejection dated July 9, 2008 - U.S. application no. 10/552,064 filed October 5, 2005 (Publication No. US-2007-0010531-A1). | |
| | C22 | Non Final Rejection dated November 20, 2007 - U.S. application no. 10/551,998 filed October 5, 2006 (Publication No. US-2007-0105871-A1). | |
| | C23 | Final Rejection dated August 7, 2008 - U.S. application no. 10/551,998 filed October 5, 2006 (Publication No. US-2007-0105871-A1). | |
| | C24 | Non Final Rejection dated August 25, 2008 - U.S. application no. 10/552,065 filed October 5, 2005 (Publication No. US-2006-0264419-A1). | |

| Examiner Signature |
|-----------------------|
|-----------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.